

Appendix table 3-1.
SESTAT degree field and occupational category

| Field | Occupation |
|--|--|
| S&E | |
| Computer and mathematical sciences Computer and information sciences Computer and information sciences Computer sciences Computer systems analysis Information services and systems Other Mathematical sciences Applied mathematics General Operations research Statistics Other | Computer and mathematical scientists Computer and information scientists Computer engineers—software Computer scientists, except systems analysts Computer systems analysts Information systems scientists and analysts Other computer and information science occupations Mathematical scientists Mathematicians Operations research analysts, modeling Statisticians Other mathematical scientists Postsecondary teachers Computer sciences Mathematics |
| Life and related sciences Agricultural and food sciences Animal sciences Food sciences and technology Plant sciences Other agricultural sciences Biological sciences Biochemistry and biophysics Biology Botany Cell and molecular biology Ecology Genetics, plant and animal Microbiology Nutritional science Pharmacology, human and animal Physiology, human and animal Zoology Other Health and related sciences (included under life sciences for doctoral programs only) Audiology and speech pathology Health services administration Health and medical assistants Health and medical technologies Medical preparatory programs Medicine Nursing, four years or longer Pharmacy Physical therapy and other rehabilitation Public health, including environment Other Environmental life sciences Environmental science studies Forestry services | Life scientists Agricultural and food scientists Biological scientists Biochemists and biophysicists Biological scientists Medical scientists, except practitioners Other biological and life scientists Environmental life scientists Forestry and conservation scientists Postsecondary teachers Agriculture Biological sciences Medical sciences Other natural sciences |

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-1.
SESTAT degree field and occupational category

| Field | Occupation |
|---|--|
| Physical and related sciences Chemistry, except biochemistry Earth science, geology, and oceanography Atmospheric sciences and meteorology Earth sciences Geology Other geological sciences Oceanography Physics and astronomy Physics Astronomy and astrophysics Other physical and related sciences | Physical scientists Chemists, except biochemists Earth scientists, geologists, and oceanographers Atmospheric and space scientists Geologists Oceanographers Physicists and astronomers Astronomers Physicists Other physical and related scientists Postsecondary teachers Chemistry Physics Earth, environmental, and marine science |
| Social and related sciences Economics Agricultural economics Economics Political and related sciences Public policy studies International relations Political science and government Psychology Educational Clinical Counseling Experimental General Industrial and organizational Social Other Sociology and anthropology Anthropology and archaeology Criminology Sociology Area and ethnic studies Linguistics Philosophy of science Geography History of science Other social sciences | Social scientists Economists Political and related scientists Psychologists Sociologists and anthropologists Anthropologists Sociologists Other social and related scientists Historians, science and technology Other social scientists Postsecondary teachers Economics Political science Psychology Sociology Other social sciences |

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-1.
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| Field | Occupation |
|--|---------------------------------------|
| Engineering | Engineers |
| Aerospace and related engineering | Aerospace and related engineers |
| Aerospace, aeronautical, and astronautical | Architectural and civil engineers |
| Architectural and civil engineering | Civil engineers |
| Architectural | Chemical engineers |
| Civil | Electrical and related engineers |
| Chemical engineering | Computer engineers—hardware |
| Electrical and related engineering | Electrical and electronics engineers |
| Computer and systems | Industrial engineers |
| Electrical, electronics, and communications | Mechanical engineers |
| Industrial engineering | Other engineers |
| Mechanical engineering | Agricultural engineers |
| Other engineering | Bioengineers and biomedical engineers |
| Agricultural | Environmental engineers |
| Bioengineering and biomedical | Marine engineers or naval architects |
| Engineering sciences, mechanics and physics | Materials and metallurgical engineers |
| Environmental | Mining and geological engineers |
| General | Nuclear engineers |
| Geophysical | Petroleum engineers |
| Materials, including ceramics and textiles | Sales engineers |
| Metallurgical | Other |
| Mining and minerals | Postsecondary teachers |
| Naval architecture and marine | Engineering |
| Nuclear | |
| Petroleum | |
| Other | |

See explanatory notes, if any, and SOURCE at end of table.

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SESTAT degree field and occupational category

| Field | Occupation |
|---|--|
| Non-S&E | |
| Management and administration Agricultural business and production Accounting Business administration and management Business, general Business and managerial economics Financial management Other business management/administrative services | Managers and administrators Top and mid-level managers, executives, and administrators Accountants, auditors, and other financial specialists Personnel, training, and labor relations specialists Other management related occupations |
| Health and related (included in non-S&E for bachelor's and master's programs only) Audiology and speech pathology Health services administration Health and medical assistance Health and medical technologies Medical preparatory programs Medicine nursing, four years or longer Pharmacy Physical therapy and other rehabilitation Public health, including environment Other health and medical sciences | Health-related occupations Diagnosing and treating health practitioners Registered nurses, pharmacists, dieticians, therapists, etc. Health technologists and technicians Other |
| Teaching and education Education administration Computer teacher education Counselor education and guidance Elementary teacher education Mathematics teacher education Physical education and coaching Pre-elementary teacher education Science teacher education Secondary teacher education Special education Social science teacher education Other education | Teachers, except S&E postsecondary teachers Prekindergarten and kindergarden Elementary school Secondary: computer, math, or sciences Secondary: social sciences Secondary: other subjects Special education Other precollegiate education Postsecondary teachers Art, drama, and music Business, commerce, and marketing Education English Foreign language History Home economics Law Physical education Social work Theology Trade and industrial Other health specialties Other |
| Social service and related disciplines Social work Other philosophy, religion, theology | Social services and related occupations Clergy and other religious workers Counselors, educational and vocational Social workers |

See explanatory notes, if any, and SOURCE at end of table.

Appendix table 3-1.
SESTAT degree field and occupational category

| Field | Occupation |
|---|---|
| Technology and technical disciplines Computer programming Data processing technology Electrical and electronics technologies Industrial production technologies Mechanical engineering-related technologies Other engineering-related technologies | Technologists and technicians Computer programmers Electrical, electronics, industrial, and mechanical engineering technicians Drafting occupations Surveying and mapping engineering technicians Other engineering technologists and technicians Surveyors Technologists and technicians in biological and life sciences Technologists and technicians in mathematical sciences Technologists and technicians in physical sciences |
| Sales and marketing Business marketing/marketing management Marketing research | Sales and marketing Insurance, securities, real estate, and business services Commodities, except retail Retail Other |
| Arts, humanities, and related disciplines English language, literature, and letters Other foreign languages and literature Liberal arts and general studies History Dramatic arts Fine arts Music Other visual and performing arts | Art, humanities, and related occupations Artists, editors, entertainers, public relations, and writers Historians, except science and technology |
| Other non-S&E Architecture and environmental design Other conservation, renewable natural resources Actuarial science Communications Journalism Other communications Criminal justice and protective services Home economics Law, prelaw, legal studies Library science Parks, recreation, leisure, and fitness studies Public administration Other public affairs Other | Other Accounting clerks and bookkeepers Secretaries, receptionists, and typists Other administrative Architects Farmers, foresters, and fishermen Lawyers and judges Librarians, archivists, and curators Actuaries Food preparation and service workers Protective service workers Other service occupations, except health Construction trades, miners, and well drillers Mechanics and repairers Precision production Operators and related occupations Transportation and material-moving Other |

SESTAT = Scientists and Engineers Statistical Data System

NOTES: The individual occupations included in SESTAT adhere to the Standard Occupational Classification (SOC), a U.S. Government standard classification scheme. The SOC was developed through an interagency committee headed by the Office of Management and Budget. It is used by Federal agencies that collect employment and occupational data and was meant to provide comparability of data among different Federal statistics agencies. The major and minor S&E groupings of occupations as shown in this table were developed by the National Science Foundation.

SOURCE: National Science Foundation, Division of Science Resources Statistics (NSF/SRS).